T COMPLETE

Non-Profit
Organization
U.S. Postage Paid
Salt Lake City, UT
Permit No. 6707

## RIENDS of GREAT SALT LAKE

Lake	Name:
ember	Address:
amily	City/State/Zip:
s to:	Phone:
	E-Mail:
	Total Membership Fees and Donations \$
	I do NOT wish to receive a Newsletter.
	Remember, all membership fees and donations are tax deductible

		2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	h		
	1		

y, 1996: Connie Borup, Oil on canvas.



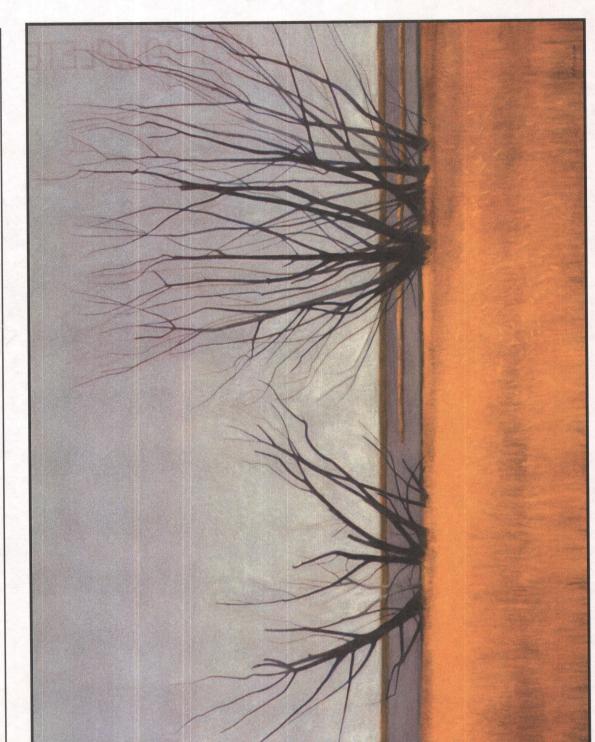
#### FRIENDS of Great Salt Lake

P.O. Box 2655, Salt Lake City, Utah 84110-2655 mail@fogsl.org

Volume 10 Number 2

801-583-5593

Winter 2004



Tree Stories, 2000: Connie Borup, Oil on canvas.

NOT COMPLETE

The mission of FRIENDS of Great Salt Lake is to preserve and protect the Great Salt Lake ecosystem and to increase public awareness and appreciation of the lake through education, research, and advocacy.

### PRESIDENT'S MESSAGE

# Think Comprehensively, Act Accordingly

changing her at all. That thought ought to humble us. Perhaps we owe something to all those men and women and that most who inhabited these shores during all that time drew material and spiritual nourishment without "Consider that we are only the very latest people to live near the Lake over more than ten millennia who preceded us in this place. We could gain much by allowing ourselves to become again,

if only in some small degree, a people of the Lake."

-Dean May in Images of The Great Salt Lake, 1996 (Centennial)



NOT COMPLETE

Farmington Bay by Connie Borup

ticipation in the recent public commenting process I want to begin by thanking all of you for your par-Copper and the Jordan Valley Water Conservancy Proposal between the State of Utah, Kennecott Utah on the Natural Resource Damage (NRD) Settlement

my neighborhood around Great Salt Lake helped Making new friends and learning a great deal about of all of us who live within its watershed was uplifting. Great Salt Lake Ecosystem and the health and welfare strengthen my commitment to work even harder long term quality of life of the Lake. toward what's best for our quality of life and for the Your passion and clarity about your concerns for the

baseline data on selenium and sulfates in our rivers, the most obvious problems being the glaring lack of wetlands, and Great Salt Lake. If decisions are made specific problems we have with this proposal. One of You did a tremendous job of staying on message about

> of scientific integrity of those decisions undermines source of contamination without creating another. any assurances we are given about cleaning up one without the benefit of rock solid science to determine in danger of being arbitrary and capricious. The lack key contaminant thresholds in the system, they are

management, mineral extraction, and water resources a few. The situation becomes even more challenging the Department of Natural Resources are also being made by seven different agencies within when decisions about key lake resources such as wildlife water quality, and permits to fill wetlands, just to name for permits abound: solid and hazardous waste, air quality, interest of the Public Trust Doctrine on behalf of and in The Trustee of the NRD Settlement Proposal is Dr. protection of its natural resources. Every day requests Director of the Department of Environmental Quality. Dianne Nielson. She is also, of course, Executive In both roles she has a responsibility to act in the

FRIENDS of Great Salt Lake

### The Importance of You

and opportunities, FRIENDS' board of directors works hard to identif We all know about the tremendous challenges and opportunities fo our critical activities: Lake awareness, help provide this organization with the momentum The strength of FRIENDS comes from its members. All of you, with

- The Legacy highway campaign
- Commenting on the Great Salt Lake Comprehensive M
- Educating the public at large about the importance of ou
- Participating in public hearings and on committees that

relationship to it. field trips, and volunteering are all ways that you can help build pu I hrough these means, you also become more knowledgeable abou But without the support and participation of the membership, the v

develop a robust and active membership? We need to develop a c Great Salt Lake. One of the goals that the board continues to identify at its annual

Check your mailing label for your membership renewal due date. Re If you have questions about your membership, please call Lynn at 80 So, we're asking you, our members, to keep active through participa

and how we are working for Great Salt Lake. and preservation. Pass on your newsletter to a friend or neighbor And do what you can to help recruit new members to strengthen

PS. Does this sound like your mother?

## Thank You to Our New and Renewed I

Robin Hooton Connie Holbrook David and Lisa Hinds Mary Gracia Mary Bateman David Harris Elree Harris Owen Kent Covey Alan Chatterton Renewed Members John Groves Chris Dewey Joan Degiorgio JackComeford Iami Fraser Randy Speers Edith Trimmer Marsha Swartsfager Albert Ogden Elaine York Alysia Watanabe Mr. and Mrs. Tom D. P. Eric McCulley Fred and Linda Oswald Mark Kaschmitter Linda Katelaar

Stephen Bloch New Members

FRIENDS of Great Salt Lake

## Special Thanks To Our Supporters

General Fund

Jack Comeford Mary Gracia Tami Fraser

Walbridge Fund

Randy Speers

Project SLICE

Marsha Swartzfager The Boulay Family Kenneth Sassen

David Cleveland

Rick Ford

Janice Bittain

Ed and Marelynn Zipser Dr. Louis Borgenicht

Lakeside Learning

Steve Bloch Field Trips

Patrick and Roberta Kelly

#### Dave and Rebecca Livermore Lillian and Keith Hayes Sarah George

Wayne Martinson

David Quinney

Marit Glenne

Tom and Jo Pratt

Doyle W. Stephens Scholarship

Genevieve Atwood William Heeschen Judy Gunderson Karl Kappe

#### John Milliken

#### ADVISORY BOARD

Bob Adler	John Kadlec	
nevieve Atwood	Dick Nourse	
Iim Carter	Steve Simms	

Ferry Tempest Williams Wayne Wurtsbaugh Ella Sorensen

WE want to thank btreemedia.com, Tooele Transcript Bulletin, Xmission.com and all who have donated to the Transit First/Legacy Highway Lawsuit Campaign.

## SUBMITTING MATERIAL FOR PUBLICATION

Mail or Deliver to: 1117 E. 600 S. Salt Lake City, UT 84102,

E-mail to: Idefreitas@earthlink.net. Please call 801-583-5593 to confirm eceipt of e-mail or with any questions, suggestions, comments, or ideas.

Deadlines: Sept. 16 (Fall), Dec. 16 (Winter), Mar. 16 (Spring), and June 16 (Summer). FRIENDS of Great Salt Lake

Winter 2004 Vol. 10 No.2

#### NOT COMPLETE

The growth projections anticipated for Utah guarantee agement style and toward the adoption of a holistic that demands in the watershed and on the Great Salt Lake system will only increase. Unless we are deliberate watershed approach, the future does not look promising, n our effort to move away from a piecemeal man-

talking more seriously about a comprehensive watershed tection. Remember that we discussed this at our 2000 Great Salt Lake Issues Forum when we brought in FRIENDS has always advocated a watershed stakeholders from around the country to showcase their watershed models. Perhaps, now is the time to begin management plan for the Great Salt Lake Ecosystem. approach for Great Salt Lake preservation and pro-

at the very least, we would have the benefit of reliable science to work with. That would be coupled with a comprehensive monitoring program to establish A first step would be to commission a comprehensive and independent study of the Lake's entire system so those very critical baselines.

Water Quality has begun to collect grab samples in the wetlands and around the Lake to help all of us And again, thanks to all of you, the Division of understand what levels of selenium currently exists in the wetlands.

Resources' Management Plan for the Great Salt Lake and State Lands), "The general policy is that, to the extent feasible, no pollutants (discharges) should be Lake." Without knowing what concentrations already exist, what basis is there for allowing more words, how do we do "no net gain" without knowing And yes, we also need to have a serious conversation about water quality standards for Great Salt Lake. Currently, as stated in the Utah Department of Natural (under the authority of the Division of Forestry, Fire delivered to the Lake in amounts that result in concentrations greater than those already present in the contaminants to be discharged into the Lake? In other what the "net" is already?

springboard to move Great Salt Lake's stewards (that means all of us) forward into a more responsible and progressive role in making decisions about its future. The intense interest that has been generated over the NRD Settlement Proposal could be the very

And as we work with the Lake in mind, we will be consciously acknowledging Great Salt Lake as a mirror of where we live and how we live.

In saline,

Lynn de Freitas

#### What You Can Do

Read more about comprehensive watershed thinking by going to our website:

www.fogsl.org

Click on Research/Selected Research Materials

Vol. 1999 Number 1

Utah Law Review

Toward Comprehensive Watershed-Based Restoration and Protection for Great Salt Lake

by Robert W. Adler

# FRIENDS ORGANIZATIONAL STATEMENT

public awareness and appreciation of the lake through education, research, and advocacy. protect the Great Salt Lake Ecosystem and to increase The mission of FRIENDS of Great Salt is to preserve and

of programs, activities and materials in pursuit of our mission. Founded in 1994, we have organized and sponsored an array political, literary, education, and broadcast communities. Advisory Board consisting of professionals in the scientific, FRIENDS has a very active Board of Directors and an

Lake Issues Forum that provides a gathering for policy who are involved in and concerned about the Great Salt Lake. makers, researchers, planners, industry reps and citizens Since 1996, we have sponsored a biennial Great Salt

management and planning for the lake. and to illuminate the complexities involved in research, about the future of the lake's ecosystem and its resources,

The goal of each Forum is to encourage constructive dialogue

director and initiated a major regional education project In 1997, we hired Bruce Thompson as our education

> Great Salt Lake have seen the program duced a live-narrative slideshow program "The Lake designed to enhance both the knowledge about and care Great." Over 11,000 people in the 5 counties surrounding for the future of Great Salt Lake. Bruce wrote and pro-Affect: Living Together Along the Shores of Something

Great Salt Lake curriculum correlated to the fourth grade those who dwell upon its shores. long-lasting impact on the future of Great Salt Lake and The Lake Affect. With this and the Project SLICE, a We are presently working on video & DVD versions of science core curriculum, we hope to achieve a positive,

public awareness of the Great Salt Lake Ecosystem. is particularly remembered for his work toward increasing as a research hydrologist for the U.S. Geological Survey. He In 2003, we awarded our first Doyle W. Stephens research scholarship. Until his death in May 2000, Stephens served

Award by the Utah Chapter of the Wildlife Society in 1998. FRIENDS was awarded the Conservation Achievement

## Winter 2004 Calendar of Events

Check the local papers and www.fogsl.org for announcements of speakers and topics at our General Programs, or call our hot-line at 801-583-5593, and press 1 for monthly activities.

NOTE: General Programs are held at the Sugarhouse Garden Center, located in the northeast corner of Sugarhouse Park, 2100 South 1650 East in Salt Lake City.

#### On the Cover

Tree Stories, 2000: Connie Borup, Oil on canvas.

I remember the view to the West with the horizontal strip of the lake separating the earth from the sky. Then when I became a landscape painter I found myself drawn to painting compositions with this same flat horizon line. The lake has offered me views that speak of the stark, sublime aspects of nature that are so important to me. I respond to bare trees as they establish their natural grid-work against water and sky. The Great Salt Lake and all of its aspects are an important part of my artistic psyche and I have always been fascinated by the Great Salt Lake! As a child growing up in Kaysville, I am very happy to participate in this publication where people share my concern and admiration for this body of water

For more info about Connie Borup's work, contact The Phillips Gallery, Salt Lake City, 801-364-8284

Winter 2004 Vol. 10 No.2

\*\* FRIENDS of Great Salt Lake

### GREAT SALT LAKE FIELD

### GSL Field Seminar Trip to the West Desert Pumps, B

engineer for Division of Water Resources. A Great Salt Lake field seminar was planned in early November as a follow up to a presentation on the West Desert Pumping Project (WDPP) by Mike Talbot, project

construction cost of the WDPP was \$62 million. 1986 and it was fully operational by June 3, 1987. The Construction on the pumping facility began on July 7, rise occurred between the fall of 1982 and June 1987. to its modern day high of 4211.85'. The last 12 feet of 20' from its record low level of 4191' asl (above sea level) Between 1963 and 1987, Great Salt Lake rose nearly

acre feet of water and covered almost 2,400 square miles. Lake in order to recover the salts and minerals. west desert to expand its surface. The concentrated briny evaporation of the lake by pumping its water into the The goal of the WDPP was to increase the natural At 4211.85' Great Salt lake contained over 30 million leftovers would then be directed back into the Great Salt

maximum depth of 18 inches and covered 500 acres. a third canal carried the concentrated brine back to the lake. canal connects the pumping station to the west desert, and engine is capable of pumping 1000 cubic feet per second. engines, each weighing 162,800 pounds. Each 3500 hp waters from the lake to the pumping station, a second The floodwaters pumped into the west desert reached a three canals were built; one canal channeled the floodposition and the facility was built around them. A total of Because of their enormous size, the pumps were placed in The pumping station consists of three, 16 cylinder

lowered the lake by 14.5". Over 50,000 acres of shoreline June 30, 1989. During its one year of operation, WDPP Two years after it began, the WDPP ceased pumping on

were exp

approxim

engine. T Mike ch able to wa After Mi

himself h engine to other res air, whic After our with so m the shafts

flock of of dry lak 4195' was busily fee lake as far The view

arm water near the s less salin arms of th north and take us to

it could h such a lov If the call least for n

Another 1

photo by Dayle Record

## SEARCH ASSISTANCE SCHOLARSHIP

holarship, s towards (FoGSL)

ergraduate ke and its cosystem.

be given. ption and

ability of

anding of research, l research

ial FoGSL

ion, please

following: )797-8058 -4307. 🕊



NOT COMPLETE



e Shrimp by John P. George

#### FRIENDS of Great Salt Lake

# 2004 GREAT SALT LAKE ISSUES FORUM

The Art and Science of Our Inland Sea Expressions of Great Salt Lake:



[erminal Mirage #251-4: David Maisel, © 2003

## April 23-24, at the Main Salt Lake Public Library

and constancy. The message of this art, surveyed in the present toward Great Salt Lake and have found in its silent geography exhibition for the first time, is that space in which to reflect the shapes, colors and compositions that speak of seclusion "For well over one hundred years, visual artists have turned or to simply be is not a picturesque luxury, but rather a deeply felt human need."

Dr. Will South in Images of Great Salt Lake, 1996 (Centennial) Issues Forum keynote speaker - Friday, April 23, 2004 More details will be provided on our website: www.fogsl.org and in the Spring newsletter.

### NOT COMPLETE

## LOW LAKE LEVEL PERSPECTIVES

by Selected Members of the Great Salt Lake Technical Team

by Richard Denton, Division of Water Quality Water Quality,

of higher salinity is evident on the north arm where salt is except salinity which has increased. A noticeable observation chemistry indicates little change in most parameters a quarterly basis. A general evaluation of the lake water anions, and the physical measurements of water quality on precipitating onto any exposed object and the bottom. the north and south arm for nutrients, metals, cation and places with lower lake elevations. We continue to monitor The Great Salt Lake and Farmington Bay are interesting

on Farmington Bay. Salinity and nutrients concentrations have increased because of reduced volume in the bay. Low inflows resulting from the drought is having influence

the bay is inaccessible with regular boats. navigate past the northern sampling point to access the boat prop damage. Once in the bay, it is very difficult to ability to navigate the lake and bay. On the north arm, it is 4 feet and a mile beyond the north station, the depth is Causeway is extremely hazardous and difficult resulting in reduced to less than 2 feet. Therefore the southern 3/4 of southern stations. The depth at the north station is about hard to access. Farmington Bay access through the Davis portion of the south arm makes navigation and access difficult. have become exposed. The shallowness of the western difficult to launch a boat and previously covered structures One of the greatest effects of low lake elevations is the The sampling point in the Ogden Bay area is extremely

after the holiday for help or go to EPA's web page and portions of the lake is available on the Web. Contact me lake (the crew is on the lake as I write), Farmington Bay, for up to 20 sites in the Jordan River marshes. Data on all and we have begun monitoring the Farmington Bay marshes. DWQ continues to monitor the north and south arms of the input from various groups and agencies begins this week An intensive synoptic study of salinity and selenium with

by Wally Gwynn, Utah Geological Survey

maintain south arm salinity. Under this last condition two culverts are plugged there is no return flow to help minimal. amount of return flow from north to south that will the south arm continues to lose salt. This is assuming feed dense brine into the deep south arm layer and help naturally results in a degree of increasing salinity. At present that return flow through the causeway itself if very maintain the overall salinity of the south arm. If the the north. If the two culverts are open there is a certain from the south arm with little, if any, return flow from through the causeway breach. That means a loss of salt time, however, there is a mainly south-to-north flow due to decreased inflow and/or increased evaporation rate, A declining lake level in the south arm of Great Salt Lake.

and precipitate salt. The evaporation rate during times arm is freshened by some means, such as the 1980's will remain there, perhaps for many years, until the north because it is protected The salt that builds up on the floor of the north arm There is less water to evaporate to maintain saturation south arm but what it does receive is more concentrated lake bottom. This has probably been going on for several lake bottom, it will tend to remain there even longer flooding. If sufficient sediment covers the salt on the that the lake is dropping is probably increased as well. level is dropping because it receives less brine from the years now. This situation is compounded when the lake did several years ago, salt precipitates and stacks up on the south arm. When the north arm reaches saturation, as it it currently retains most of the salt it receives from the salt to the south arm only as return flow can take place), Because the north arm is in reality a terminal basin (losing

#### NOT COMPLETE

made diving and foraging difficult. Although brine shrimp remained the reduced water levels colony. The body of the adult on the nest creates shade for exposure to the relentless sun after the adults abandoned the the night. The raucous bedlam of screaming birds in the the young. The eared grebe colony was much smaller. nestlings were killed, eggs were broken, but most died from black of night must have been incredible. Some of the young prevented the animals from getting to the nests. This year, way to the colony. In the past, the expanse of deep water showed a catastrophe. A family of raccoons had found their Raccoons are nocturnal and likely invaded the colony during they had been able to walk most of the way to the site.

to attach their nests to. American avocet numbers were very high first time by our team. The wide, dry mud flats are preferred and rooted vegetation. This is the reason very shallow water is again began colonizing along the waterways. The eared because their preferred shallow water habitats were abundant water areas where the new vegetation supplied the structure habitat for them. Some ibis began nesting in the deeper preferred by the dabblers. Snowy plovers were observed for the along the bottom on invertebrates such as brine fly larvae mallards, pintails and northern shovelers comprise the group of their preferred shallow water. Several species of ducks such as shallow. Duck numbers began to increase, taking advantage grebes abandoned their colony because the water was too The large mud bar in the middle of the bay began to emerge. known as dabblers. They tip down in the water and feed marshes had rinsed salts from the mud and marsh plants new mudflats exposed. The freshwater running out from the of elevation in the south arm. The receding water left more 2001 - Peak water levels dropped substantially to 4201.7 feet

mule deer tracks for a long ways through the very shallow shallows. Ducks became very prevalent. We followed a set of world's great deserts. Snowy plovers became more common. and emptiness of the huge mud bar reminded me of the dried giving the visual effect of dirty snow. The monotony 4199.9 feet. The mud bar became very large. To complete the 2002 - Peak water levels in the south arm again dropped to American avocets and black-necked stilts flourished in the because the bar had formed a large peninsula from the mainand to the west. The salts leached to the surface as the mud survey we were forced to drive the boat around the perimeter

water. The we observe Island and

fall, the ou much sma when stro dry, salty n to the rem fell to 419 we did obs 2003 - Alt The mud

all the du for others and othe predation others. Ur and manag No. Each persist bed levels in th The fortun

extensive use. Amer relatively areas of d day we sav

profound th instant res changes tha cycles char or don't liv we don't h Understand objectively Perhaps th diligent ob

environme

It is a natu

Winter 2004 Vol. 10 No.2

the Great ?

lessons will

### KE LEVEL PERSPECTIVES

## s of the Great Salt Lake Technical Team

1998 - When the first survey was made in the spring, the bay water was getting too deep.

> he Great t portion

rstate-15 tunity to

vegetation on which they anchored their floating nests was brine shrimp population and deep enough for them to dive weak. Some nests washed away during storms because of this prevented the formation of muddy beaches. The expanse of water and minimal vegetation reminded me of the flood years during the 1980's. American avocets and black-necked stilts had abandoned this area because the water was too deep to forage and there was little nesting habitat. A large The water was salty enough for re-development of a healthy mile farther to the east due to the new beach line. Much The white-faced ibis still had a nesting colony, but the flimsy attachment. The high water line wound along an old beach terrace where the land form stepped up slightly, which colony of eared grebes established themselves as residents. and feed on the shrimp. Few ducks were found on the main 1999. Peak water levels climbed to 4204.2 feet of elevation in the south arm. We were able to travel at least one half of the bayside tall dead vegetation from last year was gone. The dead plant stems had been broken off by wave action. body of water; it had become too deep for their liking.

> g transects e airboat

or many, d uplands of limited o the bay 2000 - Peak water levels dropped to 4203.6 feet of elevation in the south arm. Mud flats re-appeared. Wet mud flats with avocets and black-necked stilts returned and took advantage no vegetation have a bleak and forlorn appearance. American A hike through the very shallow water around the nests of the rejuvenated habitats. We counted over 1,000 whitefaced ibis in their nesting colony near the end of June. One week later we came back and most of the ibis were gone

stretches

n portion

ision that

arser due

westward

y cattails.

d the sky iter's edge contained .5 feet of

id feed in

n Project

area looked so different, even though we knew it was the shorelines. The ducks were not as abundant because the the south arm at peak levels that year. The vast mud flats from the previous year were under water. The cattails and bulrushes were stressed and turning yellow due to salts from the Causeway. A flock of white-faced ibis formed a nesting floating nests. American avocets were still present along the reminded me of a close friend that had shaved his beard. The same. Water levels had climbed to 4203.2 feet of elevation in rising waters. When lake levels increase, salt water invades Farmington Bay through breaches in the Davis County colony near the outflow of the Layton marshes. The flooded bulrushes formed an ideal nesting substrate for their flimsy

#### NOT COMPLETE

#### Sovereign Lands,

by Karl Kappe, Division of Forestry, Fire and State Lands

Perschon and pilot Craig Hunt on a Wildlife Resources In preparing for this article I hitched a ride with Clay noticed remarkable water clarity in the area. The algal Clay smiled and said it was too bad we couldn't go down brine shrimp harvest monitoring flight in late October. My first impression was how large the lake still is, even at bioherms and clear water gave the lake a tropical look. its 4,195' level. As we approached Stansbury Island there and make a few casts for bonefish. I agreed.

parts of which were above water. Morton Salt Company East of Stansbury Island we passed over a crashed airplane, has made sure its brine intake canal is long enough.

> five-year the lake

a portion Vaterfowl Wetlands rea since luctuated years and

drought n is very

emerged

expose or

eeing the

ge groups

a break by lining up for an OHV event. At a recent Tech Team meeting, Don'Leonard, Utah Artemia Association, Toward the Utah Test and Training Range the expanse of The low lake level presents challenges in the form of exposed lakebed was evident. Some brine shrimp harvesters mentioned there is relatively more shore harvesting now. were busy working the shore. Others appeared to be taking navigational hazards and water access to harbors. Farther north I noticed the boundary of the Air Force's sovereign land lease is well marked. Near Lakeside brine to see in low water. It was difficult to tell from the air whether there was much flow through the culverts. both ways through the breach in the causeway. Some north arm salt was finding its way back to the south arm. Flying parallel to the causeway I noticed the culverts were easier relatively low north-to-south flow through the culverts.) shrimp harbors are high and dry. There was water flowing (November measurements of culvert flows confirmed

Corey Milne, Great Salt Lake Minerals Corporation (GSLM), wrote that GSLM's inlet canal on the concentration of potassium in the lake is favorable to production. However, the high evaporation rates exceed pump capacity and GSLM has not been able to fully capitalize on the better brine because GSLM Unfortunately, the good gets partially offset by other north arm was extended to reach brine. The increased has some pond area uncovered and not evaporating. problems.

were lots of people in the area. I counted 12 vehicles at At Rozel Point I got my first look at the Spiral Jetty from the air. The jetty was high and dry, and there the jetty. The directional signs our Logan office placed on the way to the jetty appear to be working. We flew over Golden Spike NHS to Bear River Bay. On this day there was a trickle of water leaving Bear River Migratory Bird Refuge. Tough times may lie ahead for the refuge. I hope the USFWS pursues funds to resolve the state-federal ownership dispute in the refuge.

old resorts, fence posts, gates, remnants of sturdy duck aircraft. The Division is considering options to have The crashed plane we flew over near Stansbury Island is one of very many objects becoming exposed on sovereign land. Elsewhere objects include pilings from blinds, an outboard motor, a crane and parts of military the objects removed, marked or charted in order to reduce hazards.

level, we're in for more of the same. Recent storms have From my perspective, whatever the affects of low lake been nice, but does anyone expect the lake not to be another two feet or so lower this time next year?

(continued on pg. 10)

FRIENDS of Great Salt Lake

Vinter 2004 Vol. 10 No.2

# NOT COMPLETE A SLICE OF SLICE

MEET THE LAKE: HIKE FRARY PEAK.

abundant wildlife make this a unique off season hike found only an hour from downtown SLC. Sweeping vistas, guaranteed solitude and



